BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Schedule - B

BBMP/2021-22/OW/WORK_INDENT48221

Name of Work: Improvements to drains and Providing Asphalting to roads at Havanoor Layout and Surroundings in ward no 14 Bagalagunte.

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Sri SHIVALINGAIAH SATISH	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	1293.98	137.8	Rupees One Hundred Thirty Seven and Eighty Paise Only
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	169.88	5500.0	Rupees Five Thousand Five Hundred Only
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo Wall & bottom thickness 15cm complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	354.19	7400.0	Rupees Seven Thousand Four Hundred Only

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4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.complete as per the specification & as per direction of Engineer in-charge of the work	Tonne	23.02	70000.0	Rupees Seventy Thousand Only
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate) complete as per the specification & as per direction of Engineer-in-charge of the work	Sqm	926.64	1780.0	Rupees One Thousand Seven Hundred Eighty Only
6	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. complete as per the specification & as per direction of Engineer-in-charge of the work	Sqm	806.00	6.36	Rupees Six and Thirty Six Paise Only
7	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	161.20	1900.0	Rupees One Thousand Nine Hundred Only

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8	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. complete as per the specification & as per direction of Engineer-in-charge of the work	Sqm	806.00	33.92	Rupees Thirty Three and Ninety Two Paise Only
9	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	40.30	7292.8	Rupees Seven Thousand Two Hundred Ninety Two and Eighty Paise Only
10	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. complete as per the specification & as per direction of Engineer-in-charge of the work	Sqm	1915.00	5.3	Rupees Five and Thirty Paise Only
11	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. complete as per the specification & as per direction of Engineer-in-charge of the work	Sqm	1915.00	12.72	Rupees Twelve and Seventy Two Paise Only

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12	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. Clause 507 of MORTH V Version as per IRC SP-53-2015,do-Using 40-60 TPH Capacity HMP With Mechanical Paver Grading II (30-45mm) with 5.4% of Modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (Waste Plastic) complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	76.60	8544.66	Rupees Eight Thousand Five Hundred Forty Four and Sixty Six Paise Only
13	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. complete as per the specification & as per direction of Engineer-in-charge of the work	Cum	1293.98	57.0	Rupees Fifty Seven Only
14	Cost of Haulage Excluding Loading and Unloading complete as per the specification & as per direction of Engineer-in-charge of the work	km	1293.98	25.6	Rupees Twenty Five and Sixty Paise Only

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